

Challenges of Pipelines in Permafrost



Solution: Pipelines in Permafrost and Freezing Ground

Engineering resource library and databases
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The timely release of the fourteen-volume book set provides engineers and geoscientists working in research institutes, corporations, governments and regulatory bodies with an in-depth examination of the interdependence between cold climate and infrastructure and the

behaviour of freezing soils and permafrost-affected soils **The Engineering Resource Library provides the user with additional insights into intricate concepts such as**

- Soil strain and soil creep
- Hydrological and micro-morphological properties
- Frost heave and frost bulb growth
- Thaw consolidation and pipeline relaxation
- Pressure in freezing soils
- Bending stresses in buried pipelines
- Uplift resistance of pipelines in permafrost

The Library may be equipped with a suite of program modules and databases.

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